

What is claimed is:

1. A reclining massager system, comprising:
 - a) a base;
 - b) a back support to place a user's back and neck
5 thereon when the user is seated in the base,
wherein the back support has a cover, first and
second ends, wherein the first end is rotatably
connected to the base in a controllably
reclining format;
 - 10 c) a rider making a lengthwise reciprocal movement
between the first and second ends of the back
support;
 - d) a lifter liftedly engaged to the rider so that
the lifter makes a forward reciprocal movement
15 perpendicular to the lengthwise reciprocal
movement of the rider; and
 - e) message bumps veiled by the cover and attached
atop the lifter to massage along the user's
back and neck in accordance with the relative
20 movements of the rider and lifter.
2. The reclining massager system of claim 1 wherein the
lifter comprises:

- a) a roller gear engaged to and powered by a first motor, wherein the first motor is fixed to the rider;
- b) a bump support having a top portion and a
5 bottom portion, wherein the massage bumps are mounted on the top portion; and
- c) an engagement body downwardly extending from a bottom portion of the bump support, wherein a lower portion of the engagement body is
10 releasably inserted in and fittingly supported by the rider, wherein an opening is formed through the engagement body to define inner walls, wherein one of the inner walls is configured to a rack gear so that the first
15 roller gear is rollably engaged to the rack gear, whereby the roller gear rotation by the first motor enables the lifter to make the forward reciprocal movement.

20 3. The reclining massager system of claim 1 wherein the lifter comprises:

- a) a bump support having a top portion and a bottom portion, wherein the massage bumps are mounted on the top portion; and

- b) a gear unit including a bolt gear downwardly extending from the bottom portion of the bump support, an elongated nut type gear having a circular outer periphery, a first gear
5 incorporated on and along the circular outer periphery, and a second gear engaged to the first gear and connected to a first motor attached to the rider, wherein the bolt gear is releasably engaged in the nut type gear whose
10 bottom end is rotatably attached to and supported by the rider, whereby the second gear rotation generates the first gear rotation and the subsequent rotation of the nut type gear enables the lifter to make the forward
15 reciprocal movement in accordance with the releasable engagement of the bolt gear and the nut type gear.
4. The reclining massager system of claim 1 wherein the
20 message bumps are partitioned to first and second pairs, wherein said each pair bumps are aligned parallel to the direction of the rider reciprocation.
5. The reclining massager system of claim 1 further
25 comprising:

- a) first and second bump holders propping and maintaining the first and second pair bumps, wherein the first and second bump holders are tapered toward each lower end thereof;
 - 5 b) a first engagement member to rockingly engage the lower ends of the bump holders to the top portion of the lifter; and
 - c) a second engagement member to rollingly engage the massage bumps thereto.
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6. The reclining massager system of claim 1 wherein the massage bumps each include a heater.
7. The reclining massager system of claim 6 wherein the
15 heater is a heating lamp generating heat and infrared rays.
8. The reclining massager system of claim 1 wherein at least one of the massage bumps is fixed to the
20 lifter and shaped in hemisphere.
9. A reclining massager system, comprising:
- a) a base;
 - b) a back support to place a user's back and neck
25 thereon when the user is seated in the base,

wherein the back support has a cover, first and second ends, wherein the first end is rotatably connected to the base in a controllably reclining format;

- 5 c) a rider making a lengthwise reciprocal movement between the first and second ends of the back support;
- d) a pair of pulleys linked by a rope and respectively mounted in the first and second
10 ends of the back support, wherein a predetermined portion of the rope is fixedly attached to the rider so that the pulley rotation enables the rider to generate the lengthwise reciprocal movement;
- 15 e) a lifter liftedly engaged to the rider so that the lifter makes a forward reciprocal movement perpendicular to the lengthwise reciprocal movement of the rider; and
- f) message bumps veiled by the cover and attached
20 atop the lifter to massage along the user's back and neck in accordance with the relative movements of the rider and lifter.

- 10. The reclining massager system of claim 9 further
25 comprising:

- a) guide rails provided substantially parallel to the rope and between the first and second ends of the back support; and
- b) guide rollers attached to the rider, wherein
5 the guide rollers are rollably fit in the guide rails to facilitate the lengthwise reciprocation of the rider.

11. The reclining massager system of claim 9 wherein the
10 lifter comprises:

- a) a roller gear engaged to and powered by a first motor, wherein the first motor is fixed to the rider;
- b) a bump support having a top portion and a
15 bottom portion, wherein the massage bumps are mounted on the top portion; and
- c) an engagement body downwardly extending from a bottom portion of the bump support, wherein a lower portion of the engagement body is
20 releasably inserted in and fittingly supported by the rider, wherein an opening is formed through the engagement body to define inner walls, wherein one of the inner walls is configured to a rack gear so that the first
25 roller gear is rollably engaged to the rack

gear, whereby the roller gear rotation by the first motor enables the lifter to make the forward reciprocal movement.

5 12. The reclining massager system of claim 9 wherein the lifter comprises:

- a) a bump support having a top portion and a bottom portion, wherein the massage bumps are mounted on the top portion; and
- 10 b) a gear unit including a bolt gear downwardly extending from the bottom portion of the bump support, an elongated nut type gear having a circular outer periphery, a first gear incorporated on and along the circular outer periphery, and a second gear engaged to the
15 first gear and connected to a first motor attached to the rider, wherein the bolt gear is releasably engaged in the nut type gear whose bottom end is rotatably attached to and
20 supported by the rider, whereby the second gear rotation generates the first gear rotation and the subsequent rotation of the nut type gear enables the lifter to make the forward reciprocal movement in accordance with the

releasable engagement of the bolt gear and the
nut type gear.

13. The reclining massager system of claim 9 wherein the
5 message bumps are partitioned to first and second
pairs, wherein said each pair bumps are aligned
parallel to the direction of the rider reciprocation.

14. The reclining massager system of claim 9 further
10 comprising:

- a) first and second bump holders propping and
maintaining the first and second pair bumps,
wherein the first and second bump holders are
tapered toward each lower end thereof;
- 15 b) a first engagement member to rockingly engage
the lower ends of the bump holders to the top
portion of the lifter; and
- c) a second engagement member to rollingly engage
the message bumps thereto.

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15. The reclining massager system of claim 9 wherein the
message bumps each include a heater.

16. The reclining massager system of claim 9 wherein the heater is a heating lamp generating heat and infrared rays.
- 5 17. The reclining massager system of claim 9 wherein at least one of the massage bumps is fixed to the lifter and shaped in hemisphere.
18. A reclining massager system, comprising:
- 10 a) a base;
- b) a back support to place a user's back and neck thereon when the user is seated in the base, wherein the back support has a cover, first and second ends, wherein the first end is rotatably
- 15 connected to the base in a controllably reclining format;
- c) a rider making a lengthwise reciprocal movement between the first and second ends of the back support, wherein the rider has at least one nut
- 20 fixed thereto;
- d) a threaded shaft geared through the nut and rotatably engaged at the first and second ends of the back support to generate the lengthwise reciprocal movement of the rider;

- e) a lifter liftedly engaged to the rider so that the lifter makes a forward reciprocal movement perpendicular to the lengthwise reciprocal movement of the rider; and
 - 5 f) massge bumps veiled by the cover and attached atop the lifter to massge along the user's back and neck in accordance with the relative movements of the rider and lifter.
- 10 19. The reclining massager system of claim 18 wherein the lifter comprises:
- a) a roller gear engaged to and powered by a first motor, wherein the first motor is fixed to the rider;
 - 15 b) a bump support having a top portion and a bottom portion, wherein the massge bumps are mounted on the top portion; and
 - c) an engagement body downwardly extending from a bottom portion of the bump support, wherein a lower portion of the engagement body is
 - 20 releasably inserted in and fittingly supported by the rider, wherein an opening is formed through the engagement body to define inner walls, wherein one of the inner walls is
 - 25 configured to a rack gear so that the first

roller gear is rollably engaged to the rack gear, whereby the roller gear rotation by the first motor enables the lifter to make the forward reciprocal movement.

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20. The reclining massager system of claim 18 wherein the lifter comprises:

- a) a bump support having a top portion and a bottom portion, wherein the massage bumps are
10 mounted on the top portion; and
- b) a gear unit including a bolt gear downwardly extending from the bottom portion of the bump support, an elongated nut type gear having a circular outer periphery, a first gear
15 incorporated on and along the circular outer periphery, and a second gear engaged to the first gear and connected to a first motor attached to the rider, wherein the bolt gear is releasably engaged in the nut type gear whose
20 bottom end is rotatably attached to and supported by the rider, whereby the second gear rotation generates the first gear rotation and the subsequent rotation of the nut type gear enables the lifter to make the forward
25 reciprocal movement in accordance with the

releasable engagement of the bolt gear and the
nut type gear.

21. The reclining massager system of claim 18 wherein
5 the message bumps are partitioned to first and
second pairs, wherein said each pair bumps are
aligned parallel to the direction of the rider
reciprocation.
- 10 22. The reclining massager system of claim 18 further
comprising:
- a) first and second bump holders propping and
maintaining the first and second pair bumps,
wherein the first and second bump holders are
15 tapered toward each lower end thereof;
 - b) a first engagement member to rockingly engage
the lower ends of the bump holders to the top
portion of the lifter; and
 - c) a second engagement member to rollingly engage
20 the message bumps thereto.
23. The reclining massager system of claim 18 wherein
the message bumps each include a heater.

24. The reclining massager system of claim 23 wherein the heater is a heating lamp generating heat and infrared rays.
- 5 25. The reclining massager system of claim 18 wherein at least one of the massage bumps is fixed to the lifter and shaped in hemisphere.